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Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                           Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
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SPTREMBL_16:*

1: sp_archea:*
2: sp_bacteria
3: sp_fungl:*
4: sp_human:*
5: sp_inverteb:
6: sp_mammal:*
7: sp_mhc:*
7: sp_mhc:*
8: sp_organel:
9: sp_plant:*
10: sp_plant:*
11: sp_rodent:
12: sp_unclass:
13: sp_vertebr
14: sp_virus:**
                                                                                                                                                                                                                                                                                                                                                                                                                            425026 seqs, 132305027 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                July 18, 2001, 15:57:52; Search time 31.07 Seconds (without alignments) 3253.332 Million cell updates/sec
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Gapop 10.0 , Gapext 0.5
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4004
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Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                     sp_archea:*
sp_bacteria:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

19	18	17	16	15	14	13	12	11	10	9	8	7	0	v	4	· Cu	N		Result	
1452.5	1457.5	1458.5	1464	1465.5	1467	1467	1636.5	1644.5	1648.5	1651.5	1652	1652	3028.5	3041.5	3051.5	3159	3945	4004	Score	
36.3	36.4	36.4	36.6	36.6	36.6	36.6	40.9	41.1	41.2	41.2	. 41.3	41.3	75.6	76.0	76.2	78.9	98.5	100.0	Query Match	K
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45	44	43				39																	_	_	20 14
224.5	226.5	229	233	255	261	338						169.5	579.5	584	586				631				112.5	442.5	146.5
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Q9quq9 mus musculu	P79100 bos taurus	Q9vmr4 drosophila	Q9w0t5 drosophila	Q9grv5 caenorhabdi	Q22374 caenorhabdi	Q9w3w0 drosophila	017469 caenorhabdi		O61220 caenorhabdi	Q9vud5 drosophila	Q9jjj0 mus musculu	Q9n3y9 caenorhabdi	Q9nqa5 homo sapien	Q9jjl2 rattus norv	Q9xsm3 oryctolagus	Q9jipO rattus norv	Q9r186 rattus norv	Q9h1d0 homo sapien	Q9h1d1 homo sapien	Q9h296 homo sapien	Q9jlm0 rattus norv	Q9h3O3 homo sapien	Q9z182 rattus norv		Q9erz7 mus musculu

ALIGNMENTS

PRELIMINARY; PRELIMINARY; PROPERTY OF THE PROTEIN 1. PROPERTY OF THE PROTEIN 1. PROM N.A. PROM N.A. PROBLE PLANCAGE WITH ADDRESS PLANCAGE ANK, REPEAT; PROM 2111; PROM 211; PROM	9YSS1 9YSS1; 9YSS1; 9YSS1; 1-NOV-1999 (TrEMBLIE1 12, Last sequen 1-NAR-2001 (TrEMBLIE1 16, Last sequen 1 EQUENCE FROM N.A. EDLINE-9921558; PubMed-10201375; aterina M.J., Rosen T.A., Tominaga M., acpsaicin-receptor homologue with a capsaicin-receptor homologue with a sature 398:436-441(1999). MAL; AF129112; AAD26363.1; nterPro; IPR002111; nterPro; IPR002111; fam; PF00023; ank; 3. fam; PF00023; ank; 3. fam; PF00023; ank; 3. fam; PF00023; ank; 1. ROSITE; PS50098; ANK_REPEAT; 1. ROSITE; PS50098; ANK_REPEAT; 1. ROSITE; SM00248; ANK; 1. eceptor. MARR; SM00248; ANK; 1. eceptor. y Match Local Similarity 100.0%; Pred. No. 1 MTSPSSSPVFRLETLDGGOEDGSEADRGKLDFGS 1 MTSPSSSPVFRLETLDGGOEDGSEADRGKLDFGS 1 MTSPSSSPVFRLETLDGGOEDGSEADRGKLDFGS	PRELIMINARY: PR 1999 (TrEMBLrel 12, Crea -1999 (TrEMBLrel 12, Last -2001 (TrEMBLrel 16, Last OID RECEPTOR-LIKE PROTEIN apiens (Human). otta; Metazoa; Chordata; Cr. ia; Eutheria; Primates; Ca axID=9606; CE FROM N.A. CE FROM N.A. re-99215558; PubMed=1020137 na M.J., Rosen T.A., Tomin asicin-receptor homologue' 398:436-441(1999). 398:436-441(1999). 398:436-441(1999). xro; IPR002110; - ro; IPR002110; - ro; IPR002111; - ro; IPR002110; - ro; IPR00211; - ro; IPR002110; -
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               Craniata; Vertebrata; Euteleostomi;
        Sciurognathi;
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Best Loc
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InterPro; IPR002111; -.
Pfam; PF00023; ank; 3.
PROSITE; PS50088; ANK_REPEAT; 1.
PROSITE; PS50297; ANK_REP_REGION;
SMART; SM00248; ANK; 1.
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Kanzaki M., Zhang Y., Kojima I.;
"Growth factor regulated calcium channel.";
Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AB021665; BAA78478.1; -.
MGD; MGI:1341836; Vr11.
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                               WKLQKALSVLEMENGYWWCRKKHRAGRLLKVGTKGDGIPDERWCFRVEEVNWAAWEKTL
                                             WKLQKAISVLEMENGYWWCRKKQ-RAGVMLTVGTKPDGSPDERWCFRVEEVNWASWEQTL
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                 PTLCEDPSGAGVPRTLENPVLASPPKEDEDGASEENYVPVQLLQSN
                                                                                                                                                                                          IPSSKATFGDSMLLLGHILILLGGIYLLLGQLWYFWRRRLFIWISFMDSYFEILFLVQAL
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615; Conserv
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CE 756 AA; (
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Pred. No. 7.2e-241;
5; Mismatches 84;
SKPGKNSASEEDHLPLQVLQSH
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OSWID2:
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Best Local Similarity
Matches 598; Conserv
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EMBL; AF129113; AAD26364.1; -.
InterPro; IPR002110; -.
InterPro; IPR002111; -.
Pfam; PF00023; ank; 3.
PROSITE; PS50088; ANK_REPEAT; 1.
PROSITE; PS50297; ANK_REP_REGION; 1
SMART; SM00248; ANK; 1.
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SEQUENCE
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Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN-SPRAGUE-DAWLEY;
MEDLINE-9921558; PubMed-10201375;
Caterina M.J., Rosen T.A., Tominaga M.,
"A capsaicin-receptor homologue with a "
                                                                                                                                                                                                                                          297
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                                                                        LEIIAFHCKSPHRHRMVVLEPLNKLLQAKWDLLIPKFFLNFLCNLIYMFIFTAVAYHQPT
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LLQALLTVLSQVLRFMETEWYLPLLVLSLVLGWLNLLYYTRGFQHTGIYSVMIQKVILRD
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77.78;
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Pred. No. 2.2e
62; Mismatches
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Sciurognathi; Muridae; Murinae;
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Best Local S
Matches 597
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PROSITE; PS50297; ANK_REP_REGION;
SMART; SM00248; ANK; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Molecular cloning of a stretch activated channel from rat kidney."; Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AB029330; BAA88637.1; -.
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Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
NCBI_TaxID=10116;
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InterPro; IPR002111; -.
Pfam; PF00023; ank; 3.
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                    TPLKLAAKEGKIEIFRHILQREFSG-LSHLSRKFTEWCYGPVRVSLYDLASVDSCEENSV
                                                                                                             ASLQATDSQGNTVLHALVMISDNSAENIALVTSMYDGLLQAGARLCPTVQLEDIRNLQDL
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TPLKLAAKEGKIEIFRHILQREFSGPYQPLSRKFTEWCYGPVRVSLYDLSSVDSWEKNSV
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Pred. No. 1.4e-
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Q9JMI8;
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Mammalia; Eutheria;
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O1-MAR-2001 (TremBLrel. 16, L
VANILLOID RECEPTOR SUBTYPE 1.
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Julius D.
                                                                   Pfam; PF00023; ank; 3.
PROSITE; PS50288; ANK REPEAT; 1.
PROSITE; PS50297; ANK_REP_REGION;
SMART; SM00248; ANK; 1.
SEQUENCE 838 AA; 94947 MW; DAI
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Mammalia; Eutheria;
NCBI_TaxID=10116;
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                                                                                                                                                                                        Nature 389:816-824(1997).
EMBL; AF029310; AAC53398.1;
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InterPro; IPR002111;
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SEQUENCE FROM N.A.
Tsutsumi S., Nakamura A
"Vanilloid receptor typ
"Vanilloid (MAR-2000) to
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Q9JM57;
01-OCT-2000 (TrEMBLrel. 1
01-OCT-2000 (TrEMBLrel. 1
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VANILLOID RECEPTOR TYPE 1
                                                                                 Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
NCBL_TaxID=10116;
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AASSGKIGVLAYILQREIHEPECRHLSRKFTEWAYGPVHSSLYDLSCIDTCEKNSVLEVI
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PFROSITE; PS50088; ANK_REPEAT; 1.
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SMART; SM00248; ANK; 1.
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                                                                                                             VNKIAQESKNIWKLQRAITILDTEKSFLKCMRKAFRSGKLLQVGFTPDGKDDYRWCFRVD
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Best Local Similarity
Matches 344; Conserv
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SEQUENCE
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CORTITION D.N., Peck A., Zou T.;

COITTION D. A Characterization of the human capsaicin receptor,

Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.

EMBL, AF196175; AAG43466.1; -.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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01-MAR-2001 (TrEMBLrel.
CAPSAICIN RECEPTOR.
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                                                      DSWSIWKLQKAISVLEMENGYWWC-RKKQRAGVMLTVGTKPDGSPDERWCFRVEEVNWAS
                                                                                      STCLELFKFTIGMGDLEFTENYDFKAVFIILLLAYVILTYILLLNMLIALMGETVNKIAQ
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WNTNVGIINEDPGNCEGVKRTLSFSLRSS----RVSGRHWKNFALVPLLR
                   WEQTLPTLCEDPSGA-GVPRTLENPVLASPPKEDEDGASEENYVPVQLLQ
                                                                                                           EASLELFKFTIGMGELAFQEQLHFRGMVLLLLLAYVLLTYILLLNMLIALMSETVNSVAT
                                                                                                                                                                             YFSHLKEYVASMVFSLALGWTNMLYYTRGFQQMGIYAVMIEKMILRDLCRFMFVYIVFLF
                                                                                                                                                                                                                         GDYFRVTGEILSVLGGVYFFFRGIQYFLQRRPSMKTLFVDSYSEMLFFLQSLFMLATVVL
                                                                                                                                                                                                                                             GNSMLLTGHILLLGGIYLLVGQLWYFWRRHVFIWISFIDSYFEILFLFQALLTVVSQVL
                                                                                                                                                                                                                                                                                                                                                                                                    HGDFFKKTKGRPGFYFGELPLSLAACTNQLGIVKFLLQNSWQTADISARDSVGNTVLHAL
                                           ESKNIWKLQRAITILDTEKSFLKCMRKAFRSGKLLQVGYTPDGKDDYRWCFRVDEVNWTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    41.2%; Score 1651.5; DB 4;
48.5%; Pred. No. 8.8e-122;
tive 122; Mismatches 199;
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Last annotation updat
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RESULT Q9H0G9 ID Q91

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Q9H0G9

PRELIMINARY;

PRT;

839 AA

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Matches
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SEQUENCE 839 AA; 94950 MW;
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01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation updat
HYPOTHETICAL 94.9 KDA PROTEIN.
DKFZP434K0220.
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Eukaryota; Metazoa;
Mammalia; Eutheria;
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hes 344;
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 WNTNVGIINEDPGNCEGVKRTLSFSLRSS---
              WEQTLPTLCEDPSGA-GVPRTLENPVLASPPKEDEDGASEENYVPVQLLQ
                                          EASLELFKFTIGMGELAFQEQLHFRGMYLLLLLAYVLLTYILLLNMLIALMSETVNSVAT
                                                                                                                                                  GFAVALVSLSQEA------WRPEAPTGPNATESVQPMEGQEDEGNGAQYRGIL
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                                                                                                                                  GFSTAVVTLIEDGKNDSLPSESTSHRWRGPACRPPDSS-
                                                                                                                                                                              YFSHLKEYVASMVFSLALGWTNMLYYTRGFQQMGIYAVMIEKMILRDLCRFMFVYIVFLF
                                                                                                                                                                                                                           GDYFRVTGEILSVLGGVYFFFRGIQYFLQRRPSMKTLFVDSYSEMLFFLQSLFMLATVVL
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Chordata; (
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Pred. No. 1.5e
22; Mismatches
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RVSGRHWKNFALVPLLR
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..5e-121;
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A Harrison D.C., Clarke C., Gunthorpe M., Ellington K., Prinjha R.K
A Harrison D.C., Clarke C., Smith G.D., Topp S., Murdock P.,
A Sanger G.J., Terrett J., Jenkins O., Randall A., Benham C.D.,
Cloning and functional expression of a human orthologue of rat
vanilloid receptor-1.";
Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
REMBL; AJZ77028; CAB95729.1; -.
RINGERPROCESSION OF THE EMBL/GenBank/DDBJ databases.
REMBL; AJZ77028; CAB95729.1; -.
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Best Local Similarity
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Q9NQ74;
01-OCT-2000
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SEQUENCE
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01-OCT-2000 (TrEMBLrel.
01-MAR-2001 (TrEMBLrel.
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PROSITE; PS50088; ANK_REPEAT; 1.
PROSITE; PS50297; ANK_REP_REGION;
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Mammalia; Eutheria;
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                                                                                        GDYFRVTGEILSVLGGVYFFFRGIQYFLQRRPSMKTLFVDSYSEMLFFLQSLFMLATVVL
                                                                                                                                                                                MLLVEPLNRLLQDKWDRFVKRIFYFNFLVYCLYMIIFTMAAYYRPV---DGLPPFKMEKT
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Metazoa; Chordata; C
~~+heria; Primates; (
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Catarrhini;
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01-OCT-2000 (TrEMBLrel.
01-MAR-2001 (TrEMBLrel.
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TISSUE-DORSAL ROOT GANGLION;
McIntyre P., Winter J., Phillips
Weerasekera N., Rang H., Savidge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00023; ank; 3.
PROSITE; PS50088; ANK_REPEAT; 1.
PROSITE; PS50297; ANK_REP_REGION; 1.
SMART; SM00248; ANK; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases EMBL; AJ272063; CAB89866.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
MCBI_TaxID-9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VANILLOID RECEPTOR 1.
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InterPro; IPR002111; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
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                                                                                                                                                                                            CGRFFQKGQG-TCFYFGELPLSLAACTKQWDVVSYLLENPHQPASLQATDSQGNTVLHAL 252
                                                                                                                                                                                                                                                             TIPLLLEIARQTDSLKELVNASYTDSYYKGQTALHIAIERRNMALVTLLVENGADVQAAA
                                                                                                                                                                                                                                                                                   CILPLLQIDRDSGNPQPLVNAQCTDDYYRGHSALHIAIEKRSLQCVKLLVENGANVHARA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EASLELFKFTIGMGELAFQEQLHFRGMVLLLLLAYVLLTYILLLNMLIALMSETVNSVAT 654
WEQTLPTLCEDPSGA-GVPRTLENPVLASPPKEDEDGASEENYVPVQLLQ
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                                                                         VEVADNTADNTKFVTSMYNEILILGAKLHPTLKLEELTNKKGMMPLALAAGTGKIGVLAY
                                                                                               VMISDNSAENIALVTSMYDGLLQAGARLCPTVQLEDIRNLQDLTPLKLAAKEGKIEIFRH
                                                                                                                                                                                                                                                                                                                                                          YDRRSIFEAVAQNNCQDLESLLLFLQKSKKHLTDNEFKDPETGKTCLLKAMLNLHDGQNT 172
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40.9%; Score 1636.5; DB 4 48.2%; Pred. No. 1.3e-120;
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16,
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Last annotation update)
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Clarke M.,
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                         Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Liedtke W., Choe Y., Marti-Renom M.A., Bell A.M., Hudspeth A.J., Friedman J.M., Heller S.;
"Vanilloid Receptor-Related Osmotically Activated Candidate Vertebrate Osmoreceptor.";
Cell 103:525-535(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PubMed=11081638;
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                                                                            EYLSKTSKYLTDSEYTEGSTGKTCLMKAVLNLKDGVNACILPLLQIDRDSGNPQPLVNAQ
                                                                                                                                   -NYRK----
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Pred. No. 3.3e-107;
Pred. No. 3.3e-107;
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                                extracellular osmolarity.";
Nat. Cell Biol. 2:695-702(2000).
EMBL; AP258465; AAGIS127.1; -.
SEQUENCE 871 AA; 98294 MW; C
                                                                                                                           Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                          Strotmann
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annotation update)
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Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
NCBI_TaxID=10116;
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	843	93 GIINEDPGKSEIYQYYGFSHTMGRLRRDRWSSVVPRVVELNKNSGTDEVVV	Db 7	
	756	PRTLENPVLASPPKEDEDGASE	Qy 7:	
	792	33 WKLOWATTILDIERSFPVFLRKAFRSGEMVTVGKSSDGTPDRRWCFRVDEVNWSHWNQNL	Db 7:	
	· w	3 LFKLTIGMGDLEMLSSAKYPVVFILLLVTYIILTFVLLLNMLIALMGET	, 6	
	659	0 LFKFTIGMGELAFQEQLHFRGMVLLLLLAYVLLTYILLLNMLIALMSETVNSVATD	Qy 6	
	672	29 ASALVTLLNPCTNMKVCNEDQSNCTVPSYPACRDSETFSAFLLD	Db 6	
	599	GPNATESVQPMEGQEDEGNGAQYRGILEAS	0у 5	
	628	69 AGIEAYLAVMVFALVLGWNNALYFTRGLKLIGTYSIMIQKILFKDLFRFLLVYLLFMIGY	Db 5	
	549	90 LAIEWYLPLLVSALVLGWLNLLYYTRGFQHTGIYSVMIQKVILRDLLRFLLIYLVFLFGF	Oy 4	
	56		υī	
	489	KREGAVSEILNAVSILCAMVLETLITAIIQEL-EGTEVEV YLLVGOLW-YFWRRHVFIWISFIDSYFEILFLFOALLTV	0 VO	
	43	2 VLEPLNKLLQAKWDLL-IPKFELNELCNLIYMFIFTAVAYHQPTLKKQ	. ω	
	4.5	: : :	ω	
	371	LYDLASVDSC-EEN	Оу з	
	390	31 IADNTRENTKFVTKMYDLLLLKCSRLFPDSNLETVLNNDGLSPLMMAAKTGKIGVFQHII	Db 3	
	ω	1 RFFQPKDEGGYFYFGELPLSLAACTNQPHIVNYLTENPHKKADMRRQD		
	254	FQ-K0	Qy 1	
	27			
	195	KRSLQCVKLLVEN	Qy 1	
	135 210	76 RDRLFNAVSRGVPEDLAGLPEYLSKTSKYLTDSEYTEGSTGKTCLMKAVLNLKDGVNACI	Qу Db 1	
	150	DSLFDYGTYRHHPSDNKRWRRKVVEKQPQSPKAPAPQPPP1LKVF	Ъ	
	75	VNLNYRKGTGASQPDP	Qy	
	90	32 PLSSLANLFEGEEGSSSLSPVDASR-PAGPGDGRPNLRMKFQGAFRKGVPNPIDLLESTL	망	
	52	VFRLETLDGGQEDGSEADRGKLDFGSGLPPMESQFQGED	Qy	
16;	aps	Match 36.6%; Score 1465.5; DB 11; Length 871; Local Similarity 40.4%; Pred. No. 4.5e-107; Local Similarity 40.4%; Pred. No. 4.5e-107; Indels 119; G	Query I Best La Matche	
		QUENCE 871 AA; 98009 MW; 5D50684DA08C354B CRC64;		
), a .	Liedtke W.B., Choe Y., Marti-Renom M.A., Bell A.M., Denis C.S., Sali A., Hudspeth A.J., Friedman J.M., Heller S.; "Vanilloid receptor-related osmotically activated channel (VR-OAC candidate vertebrate osmoreceptor."; Cell 103:525-535(2000). EMBL; AF263521; AAG28027.1;	RA Liedi RA Sali RT "Van: RT candi RT Cell DR EMBL	
		QUENCE FROM N.A. SSUG-KIDNEY;		

Qy 757 PVQLL 761 |: | Db 844 PLDNL 848

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